

Amendments to the Specification

Please amend the specification as follows:

The electromotor 2, reducer 3, mechanism 4 and hinge 5 are each contained within a handle portion 50 of a housing 51 of the vibrating pump 1, with the rod 6 extending through an opening 52 into a pumping chamber 12 disposed within a nozzle portion 53 of the housing 51. The opening 52 also preferably includes a sealing member (not shown) that prevents any liquid from passing from the pumping chamber 12 into the handle portion 50, while allowing the rod 6 to slide easily with respect to the sealing member. In order to operate the electromotor 2, the motor 2 is operably connected to a voltage controller 20 which in turn is connected to a battery 21 releasably connected to the voltage controller 20 and to the handle portion 30 of the housing 51 in a known manner. A switch or trigger 19 is disposed on the exterior of the handle portion 50 and can be depressed in order to enable the battery 21 to supply a voltage through the voltage controller 20 to the motor 2. When the switch 19 is depressed, the frequency at which the electromotor 2 operates to oscillate the rod 6 can be adjusted utilizing a controller 22 on the handle portion 20 that is connected to the voltage controller 20 and has a rotatable knob 56 disposed on the exterior of the housing 51. By rotating the knob ~~36~~ 56, the frequency of the voltage supplied by the voltage controller 20 to the electromotor 2 can be increased or decreased to adjust the frequency of the oscillation of the rod 6 as desired.

The pumping chamber 12 is disposed adjacent an outlet ~~38~~ 58 of the nozzle portion 53 of the housing 51 and is formed of a material that is impervious to liquid. The rod 6 extends through the opening 52 in the chamber 12 such that the plate 7 is positioned adjacent an outlet chamber 8 also disposed partially within the chamber 12. The outlet chamber 8 includes a wide inner end 57 over which is positioned a diaphragm 9 formed of a liquid-impervious, flexible material, such as a rubber, and having an aperture 10 disposed in the center of the diaphragm 9. The positioning of the diaphragm 9 is such that when the rod 6 is moved by the hinge 5 into the chamber 12 to its furthest extent, the plate 7 contacts and compresses the diaphragm 9, forming a fluid tight seal around the aperture 10 between the plate 7 and diaphragm 9 and pushing the diaphragm 9 into the inner end 57.

Pursuant to still another embodiment of the present invention, as best shown in Fig. 4, the tube 13 can be formed to extend in a non-linear, and preferably a generally L-shaped manner from the pumping chamber 12 such that a supply of a gas (not shown) can be attached opposite the pumping chamber 12 of the tube 13. The outlet chamber 8 may then be positioned partially within an amount of liquid 17 in a container 18 such that, by the operation of the electromotor 2 to oscillate the rod 6, the gas can be pumped into and through the pumping chamber 12 and out of the outlet 38 116 into the liquid 17 in the container 18. The gas supply can also be switched to a fluid supply or supplies as desired, with each supply connected to the pumping chamber 12 to mix all of the fluids with one another in the container 18.